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PATENT  
Atty. Docket No.:  
VHSE-P01-002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Howard, C. K.

Serial No.: N/A 10072808

Group Art Unit: N/A

Filed: February 7, 2002

Examiner: Not Yet Assigned

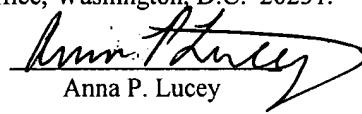
Title: PARKING MANAGEMENT SYSTEMS

**CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)**

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Anna P. Lucey

Assistant Commissioner for Patents  
United States Patent and Trademark Office  
Washington, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT UNDER 37C.F.R 1.97(b)**

Submitted herewith on Form PTO-1449 is a list of documents known to Applicants, their Agent and/or Attorney in compliance with the requirements of 37 C.F.R. 1.56. A copy of each document listed is also being submitted herewith.

This Information Disclosure Statement is being filed before the mailing of the first office action on the merits; therefore, no fee is due.

VHSE-P01-002

Applicants respectfully request that the Examiner consider the listed documents and indicate that they were considered by making appropriate notations on the attached Form PTO-1449.

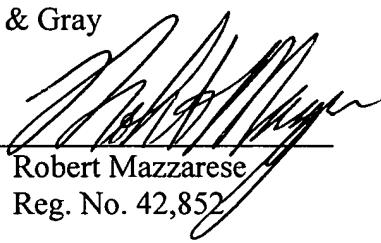
This submission does not represent that a search has been made or that no better art exists. Nor does it constitute an admission that each or all of the listed documents are material or constitute "prior art." If the Examiner applies any of the documents as prior art against any claim in the application and applicants determine that the cited documents do not constitute "prior art" under United States law, Applicants reserve the right to present to the Office the relevant facts and law regarding the appropriate status of such documents.

Applicants further reserve the right to take appropriate action to establish the patentability of the disclosed invention over the listed documents, should one or more of the documents be applied against the claims of the present application.

If there are any fees due in connection with the filing of this Statement, please charge the fees to our **Deposit Account, No. 18-1945.**

Respectfully submitted,  
Ropes & Gray

By:

  
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|   |  |                           |
|---|--|---------------------------|
| Form PTO-1449<br><b>INFORMATION DISCLOSURE CITATION</b><br><b>IN AN APPLICATION</b><br><i>(Use several sheets if necessary)</i><br><br><b>MAR 11 2002</b> | Docket Number (Optional)<br>VHSE-P01-002 | Application Number<br>N/A |
|   | Applicant<br>Howard, C.                  |                           |
|   | Filing Date<br>February 7, 2002          | Group Art Unit<br>N/A     |

## U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIALS | SEARCHER<br>INITIALS | DOCUMENT NUMBER | DATE     | NAME             | CLASS | SUBCLASS | FILING DATE<br>IF APPROPRIATE |
|----------------------|----------------------|-----------------|----------|------------------|-------|----------|-------------------------------|
|                      | AA                   | 6,340,935       | 1/22/02  | Hall             |       |          |                               |
|                      | AB                   | 6,278,272       | 8/21/01  | Scarzello et al. |       |          |                               |
|                      | AC                   | 6,243,029       | 6/5/01   | Tomer            |       |          |                               |
|                      | AD                   | 6,229,455       | 5/8/01   | Yost et al.      |       |          |                               |
|                      | AE                   | 6,147,624       | 11/14/00 | Clapper          |       |          |                               |
|                      | AF                   | 6,037,880       | 3/14/00  | Manion           |       |          |                               |
|                      | AG                   | 5,940,481       | 8/17/99  | Zeitman          |       |          |                               |
|                      | AH                   | 5,910,782       | 6/8/99   | Schmitt et al.   |       |          |                               |
|                      | AJ                   | 5,877,705       | 3/2/99   | Sampey           |       |          |                               |
|                      | AJ                   | 5,751,973       | 5/12/98  | Hassett          |       |          |                               |
|                      | AK                   | 5,740,050       | 4/14/98  | Ward, II         |       |          |                               |
|                      | AL                   | 5,710,743       | 1/20/98  | Dee et al.       |       |          |                               |
|                      | AM                   | 5,648,906       | 7/15/97  | Amirpanahi       |       |          |                               |
|                      | AN                   | 5,642,119       | 6/24/97  | Jacobs           |       |          |                               |
|                      | AO                   | 5,432,508       | 7/11/95  | Jackson          |       |          |                               |
|                      | AP                   | 5,414,624       | 5/9/95   | Anthonyson       |       |          |                               |
|                      | AQ                   | 5,339,000       | 8/16/94  | Bashan et al.    |       |          |                               |
|                      | AR                   | 5,263,118       | 11/16/93 | Cornelison       |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|  | DOCUMENT NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | Translation |    |
|--|-----------------|------|---------|-------|----------|-------------|----|
|  |                 |      |         |       |          | YES         | NO |
|  |                 |      |         |       |          |             |    |
|  |                 |      |         |       |          |             |    |
|  |                 |      |         |       |          |             |    |

## OTHER DOCUMENTS

*(Including Author, Title, Date, Pertinent Pages Etc.)*

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|  | AS | AeroAstro. MSCI Partners with AeroAstro to Fund Noise Monitoring Demo at Gulfport-Biloxi Airport. <i>About AeroAstro</i> , <a href="http://www.spacecommerce.com/msci_companies/aeroastro_pres.html">http://www.spacecommerce.com/msci_companies/aeroastro_pres.html</a> (4 June 2001). |
|  | AT | Algorithms. <a href="http://robotics.eecs.berkeley.edu/~pister//29Palms0103/JasonUpdate/29palms.htm">http://robotics.eecs.berkeley.edu/~pister//29Palms0103/JasonUpdate/29palms.htm</a> (8 November 2001).  |
|  | AU | Caruso, Michael J. & Withanawasam, Lucky S. Vehicle Detection and Compass Applications using AMR Magnetic Sensors. <a href="http://www.ssec.honeywell.com">www.ssec.honeywell.com</a> .   |

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|---|----|---|---------------------------|
| Form PTO-1449<br><b>INFORMATION DISCLOSURE CITATION<br/>IN AN APPLICATION</b><br><i>(Use several sheets if necessary)</i> |    | Docket Number (Optional)<br>VHSE-P01-002  | Application Number<br>N/A |
| MAR 11 2002   |    | Applicant<br>Howard, C.   |                           |
|   |    | Filing Date<br>February 7, 2002   | Group Art Unit<br>N/A     |
|   |    | Crossbow Technology, Inc. Crossbow Technology Now Manufacturing New Wireless 'MICA' Sensors Targeted at Surveillance, Security and Force Protection Applications. <i>Yahoo! Finance</i> , <a href="http://biz.yahoo.com/bw/011024/240541_1.html">http://biz.yahoo.com/bw/011024/240541_1.html</a> (24 October 2001).  |                           |
|   | AW | Fiber & Electro-Optics Research Center. Analysis of Magnetic Signatures Using the Wavelet-Based Signal Processing Techniques. <i>FEORC Press Release</i> , <a href="http://www.ee.vt.edu/~feorc/fiberoptics.htm">http://www.ee.vt.edu/~feorc/fiberoptics.htm</a> (8 November 2001).   |                           |
|   | AX | IMS. FGS1/COB07 Fluxgate Magnetic Field Sensor System: Vehicle Detection and Recognition Using Magnetic Field Sensors. <a href="http://www.ims.fhg.de/datenblaetter/magnetfeldsensorik/vehicle/vehicle-e.html">http://www.ims.fhg.de/datenblaetter/magnetfeldsensorik/vehicle/vehicle-e.html</a> (8 November 2001).   |                           |
|   | AY | InnovaPark, L.L.C. InnovaPark introduces the most innovative parking space management detection technology since the introduction of the electronic parking meter. <i>InnovaPark, L.L.C.</i> , 110 Roseville Road, Westport, CT 06880, <a href="http://www.Smart-Meters.com">www.Smart-Meters.com</a> .   |                           |
|   | AZ | Midian Electronics. SPVD-1, Wireless Vehicle Detector. <i>Products</i> , <a href="http://www.midelec.com/html">http://www.midelec.com/html</a> . (8 November 2001).   |                           |
|   | BA | Nu-Metrics. Groundhog®, Permanent Traffic Counter. <a href="http://www.nu-metrics.com">www.nu-metrics.com</a> , Nu-Metrics®, Aquixote Company, Box 518 University Drive, Uniontown, PA 15401.   |                           |
|   | BB | Peek Traffic. Parking guidance system and route information. <i>Which solutions can Peek Traffic offer you?</i> , <a href="http://www.peektraffic.nl/opossingen/en/parkeren.htm">http://www.peektraffic.nl/opossingen/en/parkeren.htm</a> (6 December 2001).  |                           |
|   | BC | Phadnis, Chitra. Treat Yourself to Some 'Smart' Parking. <i>Yahoo! India Finance</i> , <a href="http://in.biz.yahoo.com/011113/17/18rmq.html">http://in.biz.yahoo.com/011113/17/18rmq.html</a> (14 November 2001).  |                           |
|   | BD | Ripka, Pavel. Magnetic Sensors for Traffic Control. <i>Dept. of Measurement, Faculty of Electrical Engineering CTU / Technicka 2, 166 27 Praha 6, Czech Republic</i> , <a href="mailto:ripka@feld.cvut.cz">ripka@feld.cvut.cz</a> .   |                           |
|   | BE | SCHICK electronic sa. Signal-Park, The first system which: detects, counts and indicates the vacant places. <i>Signal-park@schick-sa.com</i> ; SCHICK electronic sa, Av. Des Baumettes 9 / 1020 RENENS CH, Switzerland: 1-15 (©2000).   |                           |
|   | BF | Sepoong Ind. Electric Compass Module Vector 2x (2Axis). <a href="http://www.sepoong.co.kr/components/pni/oem/vector2x.htm">http://www.sepoong.co.kr/components/pni/oem/vector2x.htm</a> (8 November 2001).  |                           |
|   | BG | Siemens. Siespace – Car Park Control and Information Systems. <i>Siemens Traffic Controls Limited</i> , <a href="http://www.siemens.co.uk/traffic/siespace.htm">http://www.siemens.co.uk/traffic/siespace.htm</a> (7 December 2001).  |                           |
|   | BH | Siemens AG – Industrial Projects and Technical Services (ATD). Making parking a pleasure in Budapest – Siemens supplies modern parking voucher machines for Hungary's capital. <i>Siemens Industrial Projects and Technical Services</i> , <a href="http://www.atd.siemens.de/news/technical/09002018e.html">http://www.atd.siemens.de/news/technical/09002018e.html</a> (9 November 2000). |                           |
|   | BI | TCS International. Dambach – Parking Guidance, Electronic Signs, Level and Space Counting Systems. <i>TCS International Products</i> , <a href="http://www.tcsintl.com/parkguide.html">http://www.tcsintl.com/parkguide.html</a> (6 December 2001).   |                           |
|   | BJ | TENET ITMapping. Smart parking systems benefit more than just the car park. <i>Mapping Software Solutions</i> , <a href="http://www.tenet.co.uk/solution/telematics/parking.htm">http://www.tenet.co.uk/solution/telematics/parking.htm</a> (6 December 2001).  |                           |
|   | BK | Twisted Air Technologies. Meter Enhancement Modules: Wireless Communications and Vehicle Detection. <a href="http://www.twistedair.com/msys02.htm">http://www.twistedair.com/msys02.htm</a> (9 November 2001).  |                           |
|   | BL | Video Surveillance and Monitoring. ©2000 Carnegie Mellon University, Robotics Institute, <a href="http://www-2.cs.cmu.edu/~vsam/vsamhome.html">http://www-2.cs.cmu.edu/~vsam/vsamhome.html</a> (10 November 2001).  |                           |

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|   |  | Applicant<br>Howard, C.                  |                           |
|   |  | Filing Date<br>February 7, 2002          | Group Art Unit<br>N/A     |
| MAR 11 2002<br>O I P E S C T<br>BM  | Ward, Tom. Otay Mesa Road Smart Loop Technology Demonstration Project. ORNICON Corporation, <i>tward@ornicon.com</i> (5 September 2000). |  |                           |
| PENT & TRADEMARKS<br>USPTO  |  |  |                           |
| EXAMINER  |  |  | DATE CONSIDERED           |
| EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant. |  |  |                           |

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